

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

Patent number: JP7215896
Publication date: 1995-08-15
Inventor: SATO HARUHITO; SUZUKI SHINTARO
Applicant: IDEMITSU KOSAN CO
Classification:
- international: C07C11/02; B01J31/02; B01J31/04; C07C2/30;
C07B61/00
- european:
Application number: JP19940012343 19940204
Priority number(s): JP19940012343 19940204

Abstract of JP7215896

PURPOSE: To efficiently obtain an alpha-olefin oligomer improved in selectivity of trimer and tetramer of ethylene, hexene-1 and octene-1 and useful as a comonomer of linear low density PE in high selectivity and yield by using a specific catalyst composition. **CONSTITUTION:** This alpha-olefin oligomer is obtained by using a catalyst composition composed of (A) a chromium compound such as a trivalent to hexavalent chromium compound containing oxygen anion as a ligand [e.g. chromium (3) tris(2-ethylhexanoate)], (B) an electron donating agent such as an ether selected from THF, dimethoxyethane, 2,3-dihydrofuran and 3,4-dihydro-2H-pyran or amines, (C) aluminum alkoxide obtained by reaction of an organoaluminum compound with an alcohol or alkoxide and further preferably (D) a reducing agent such as an organoaluminum compound. Furthermore, the component C is preferably used in a molar ratio of 1-10000 based on the component A.

Data supplied from the **esp@cenet** database - Worldwide